

December 28, 1951

Dr. J. J. Miller  
Botany Department  
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Hamilton, Ontario

Dear Dr. Miller:

Your interesting note on the effects of terramycin (Canadian Entomologist December 1951) has just come to my attention.

May I point to one reference, in exchange for a question. Koch (Zeitschr. Morphol. u. Oekol. Tiere, 32: 137-180) has an interesting discussion on the variation of occurrence of microsymbionts in "*Calandra granariae*". Have you seen Glaser's paper on the disinfection of cockroaches? (J. Parasitol. 32:483-489 -1946).

The question I wished to ask was whether you had any objective evidence of alteration or elimination of the microsymbionts in the treated beetles.

The problems of microbial symbiosis have hardly been scratched. I am trying to bring them to the attention of geneticists as models of "cytoplasmic" inheritance.

Yours sincerely,

Joshua Lederberg  
Associate Professor of Genetics